

ABSTRACTFUNCTIONALIZED OLEFIN POLYMERS

- 5 This invention relates to a composition comprising a functionalized C3 to C40
olefin polymer comprising at least 50 mol% of one or more C3 to C40
olefins, and where the olefin polymer, prior to functionalization, has:
- a) a Dot T-Peel of 1 Newton or more on Kraft paper;
 - b) an Mw of 10,000 to 100,000; and
 - 10 c) a branching index (g') of 0.98 or less measured at the Mz of
the polymer when the polymer has an Mw of 10,000 to 60,000, or
a branching index (g') of 0.95 or less measured at the Mz of the
polymer when the polymer has an Mw of 10,000 to 100,000; and where
- 15 the C3 to C40 olefin polymer comprises at least 0.001 weight % of an
functional group, preferably maleic anhydride. This invention further
relates to blends of such functionalized polymers with other polymers
including non-functionalized C3 to C40 olefin polymers as described
above.